

**Figure 1**

Row-Wise

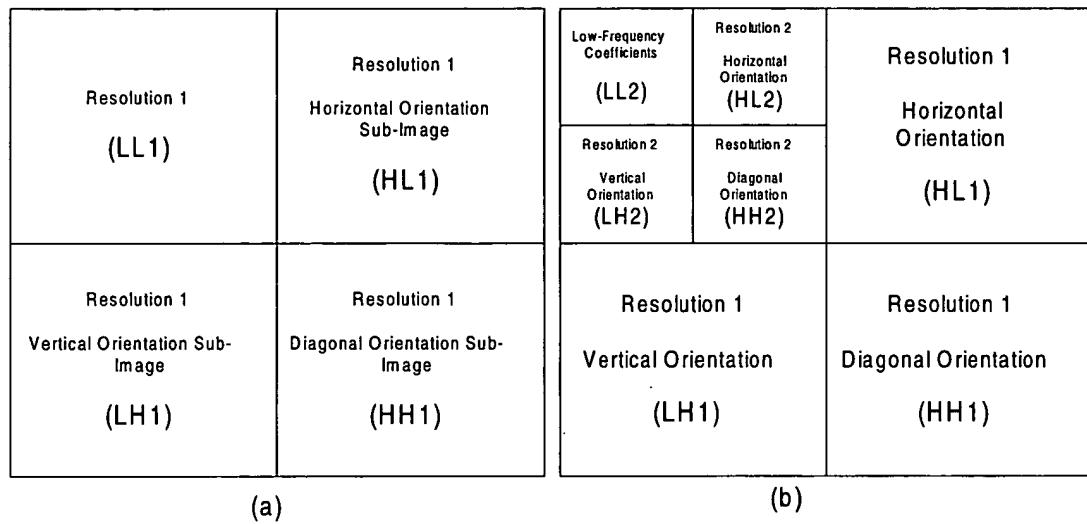
$$\begin{array}{|c|c|} \hline & \frac{1}{\sqrt{Q_{LL}}} & \\ \hline & \frac{\sqrt{Q_{LL}}}{Q_{HL}} & \\ \hline \end{array}$$

Col-Wise

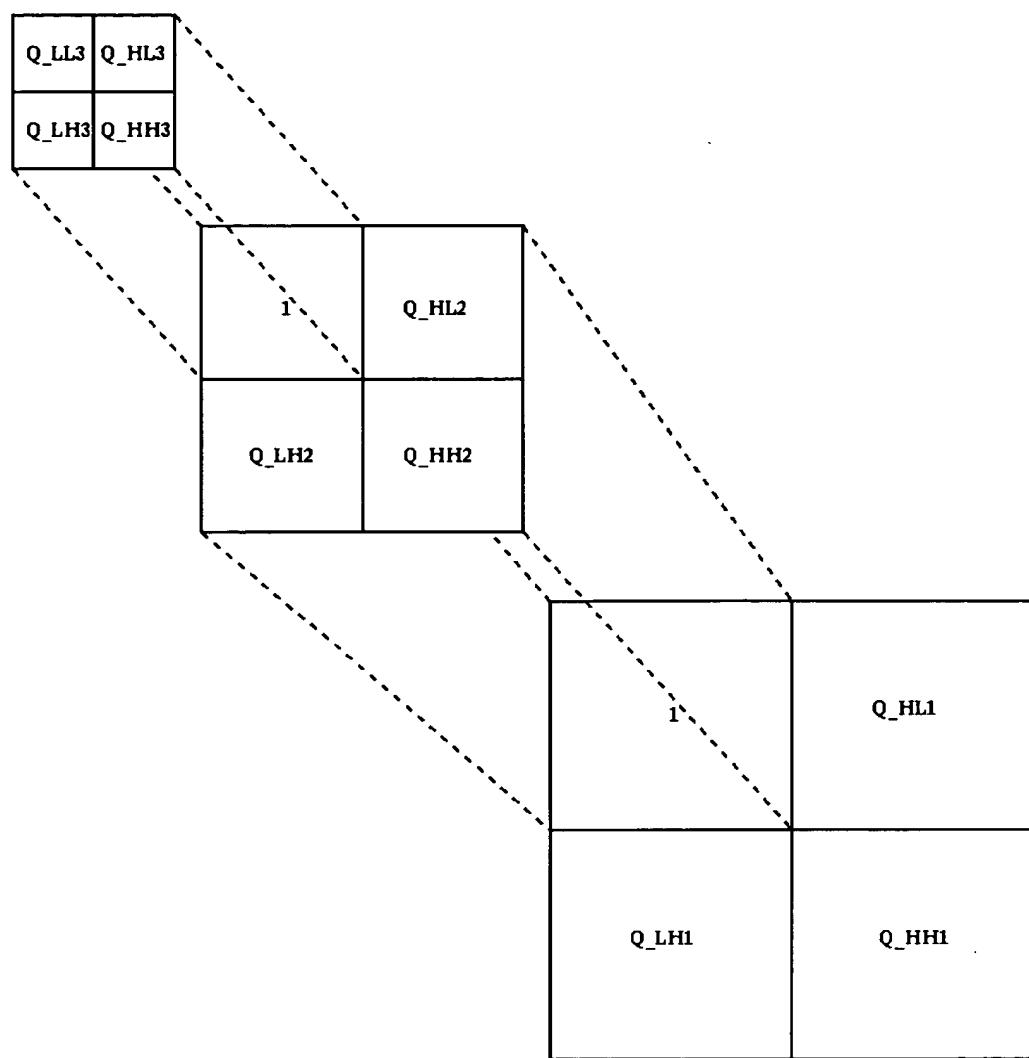
$$\begin{array}{|c|c|} \hline \frac{1}{\sqrt{Q_{LL}}} & \\ \hline \frac{\sqrt{Q_{LL}}}{Q_{LH}} & \frac{Q_{HL}}{Q_{HH}\sqrt{Q_{LL}}} \\ \hline \end{array}$$

Set  $Q_{LL}$  equal to 1 when is not at the top level K

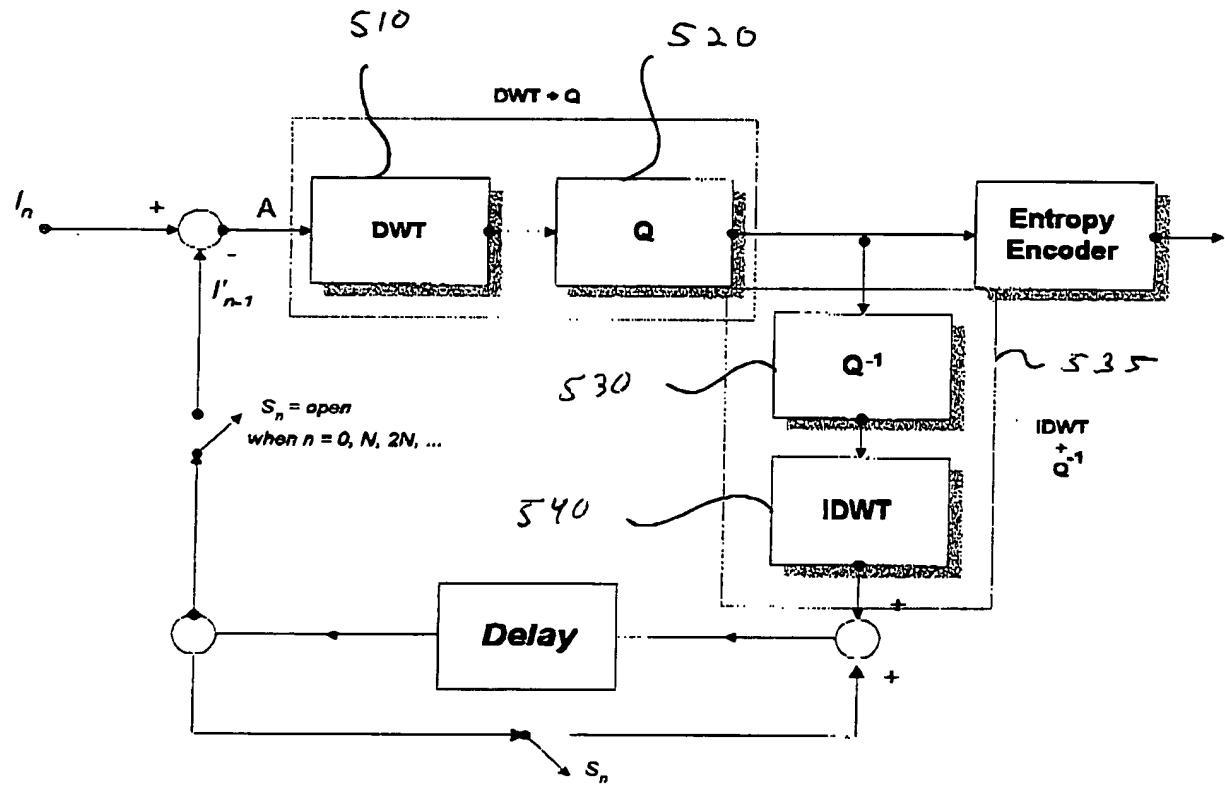
Figure 2



**Figure 3**

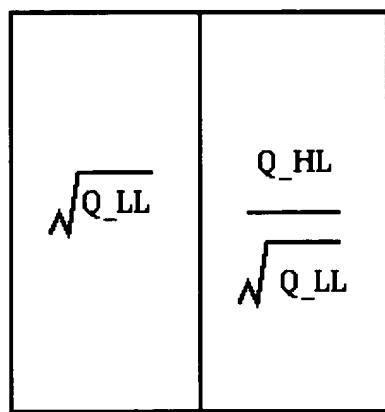


**Figure 4**

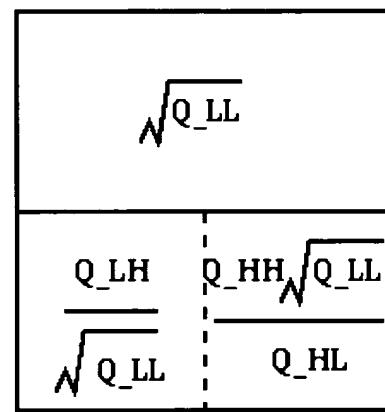


**Figure 5**

Row-Wise



Col-Wise



Set  $Q_{LL}$  equal to 1 when is not at the top level K

Figure 6